

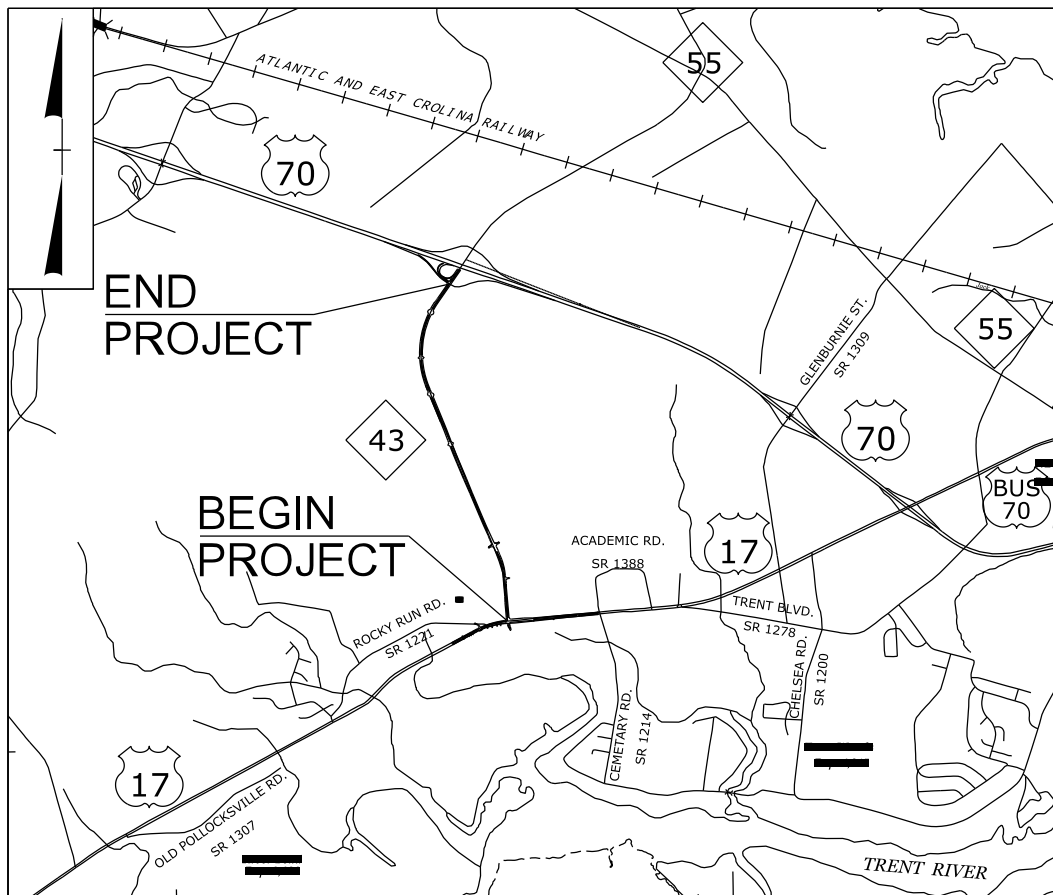
TIP PROJECT: R-4463A

A map of North Carolina showing its county boundaries. Johnston County, located in the southeastern part of the state, is highlighted in black. The map shows the state's outline and internal county divisions.

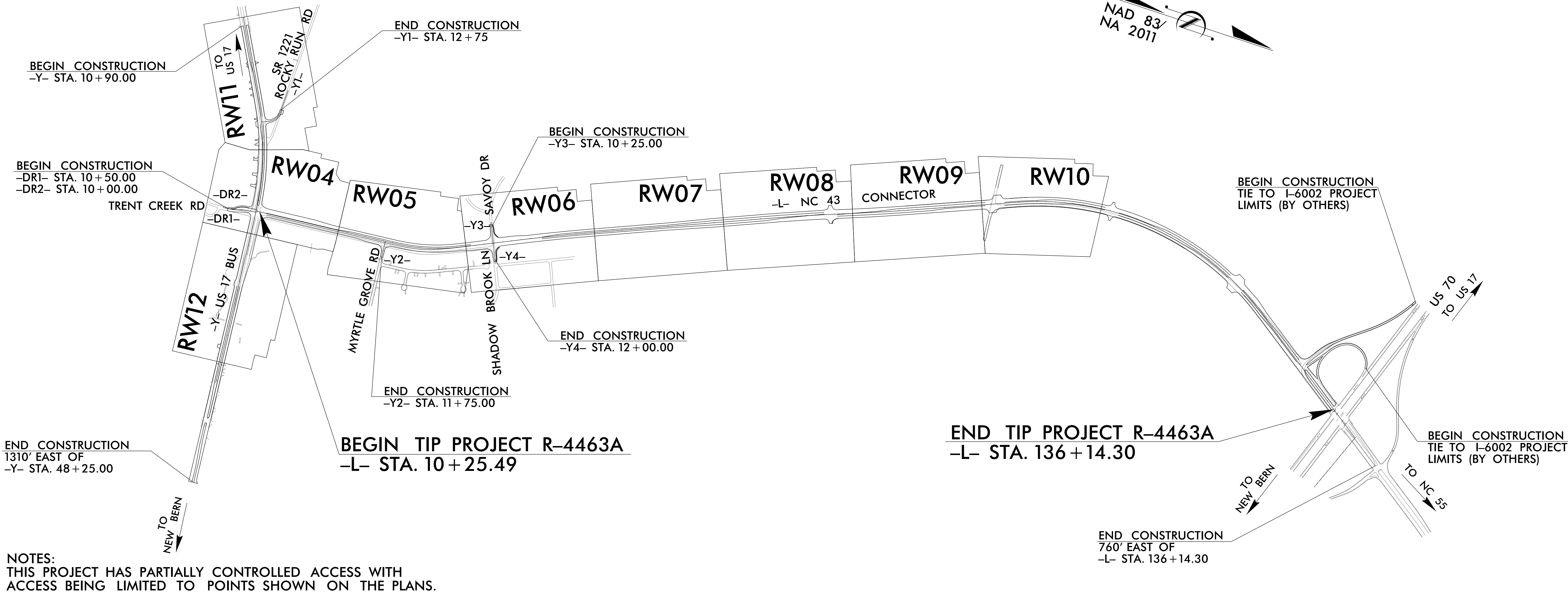
SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

CRAVEN COUNTY

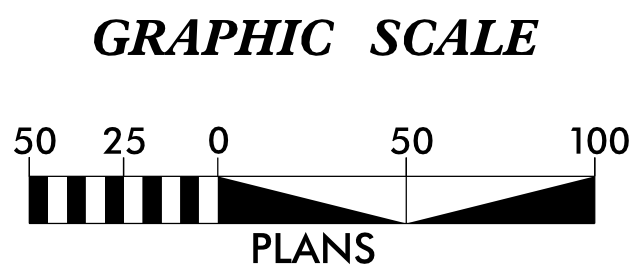
**LOCATION: NC 43 CONNECTOR FROM
US 17 BUSINESS TO US 70**



VICINITY MAP



NOTES:
THIS PROJECT HAS PARTIALLY CONTROLLED ACCESS WITH
ACCESS BEING LIMITED TO POINTS SHOWN ON THE PLANS.



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCGS FOR MONUMENT "R4463W-2"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 504312.549(ft) EASTING: 2563968.482(ft)
ELEVATION: 30.331(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999879843
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"R4463W-2" TO -L- STATION 140+00.00 IS
N 68°38'39" W 6222.04'(ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

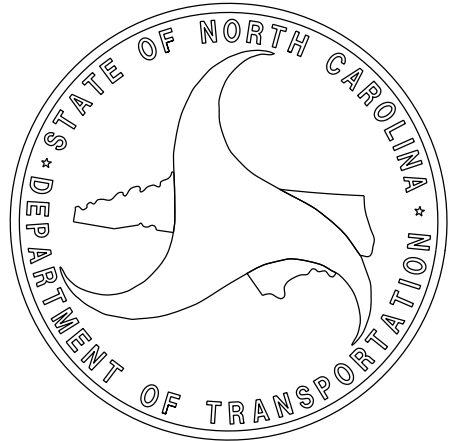


2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
10/18/2019

LETTING DATE:
07/15/2025

**PROFESSIONAL LAND
SURVEYOR**

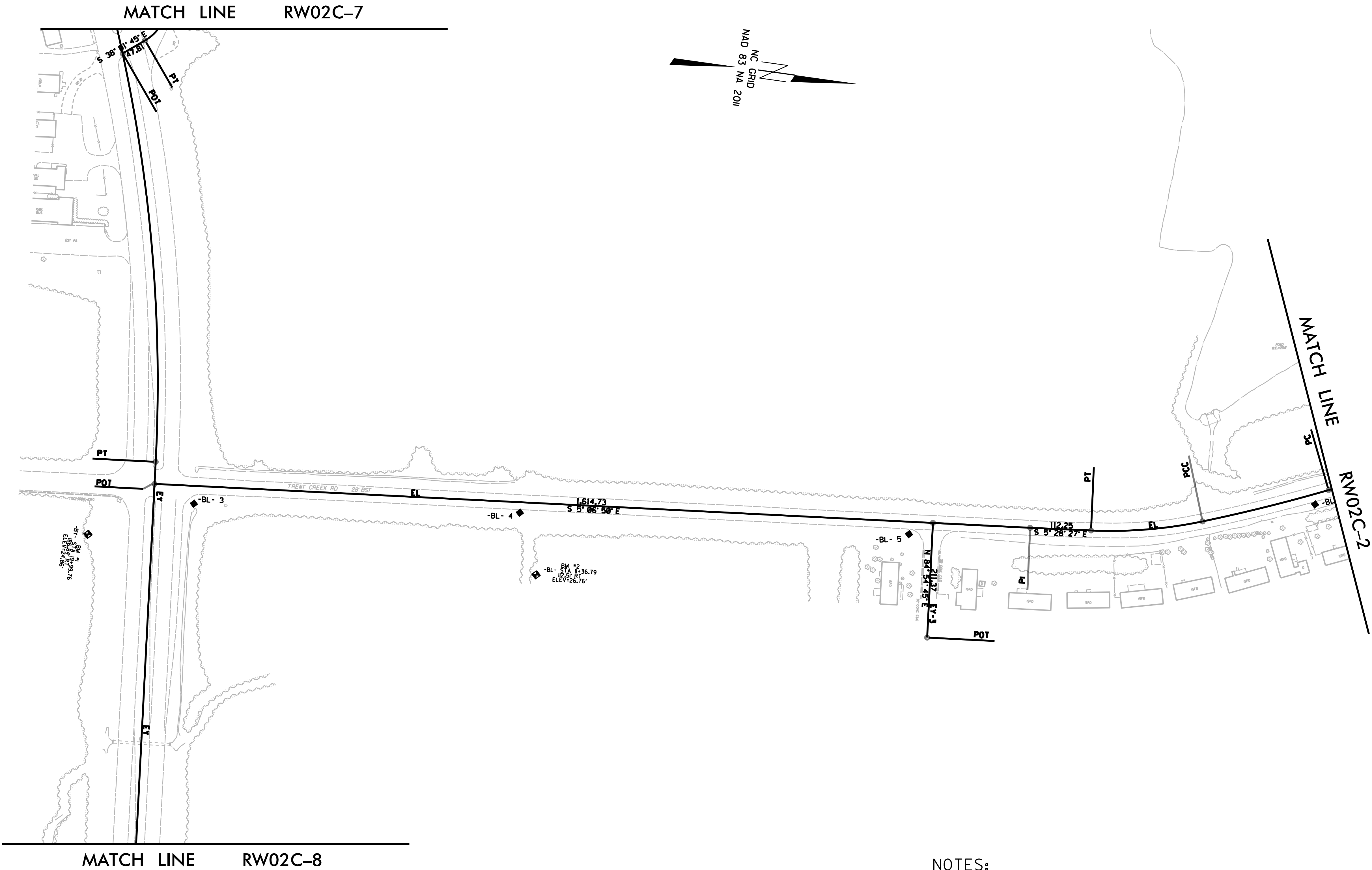


Signed by:
Richard Mitchell
SIGNATURE:

04/17/2025
Date:

SURVEY CONTROL SHEET R-4463A
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-1
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	



- NOTES:**
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 - THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/2019

REVISIONS

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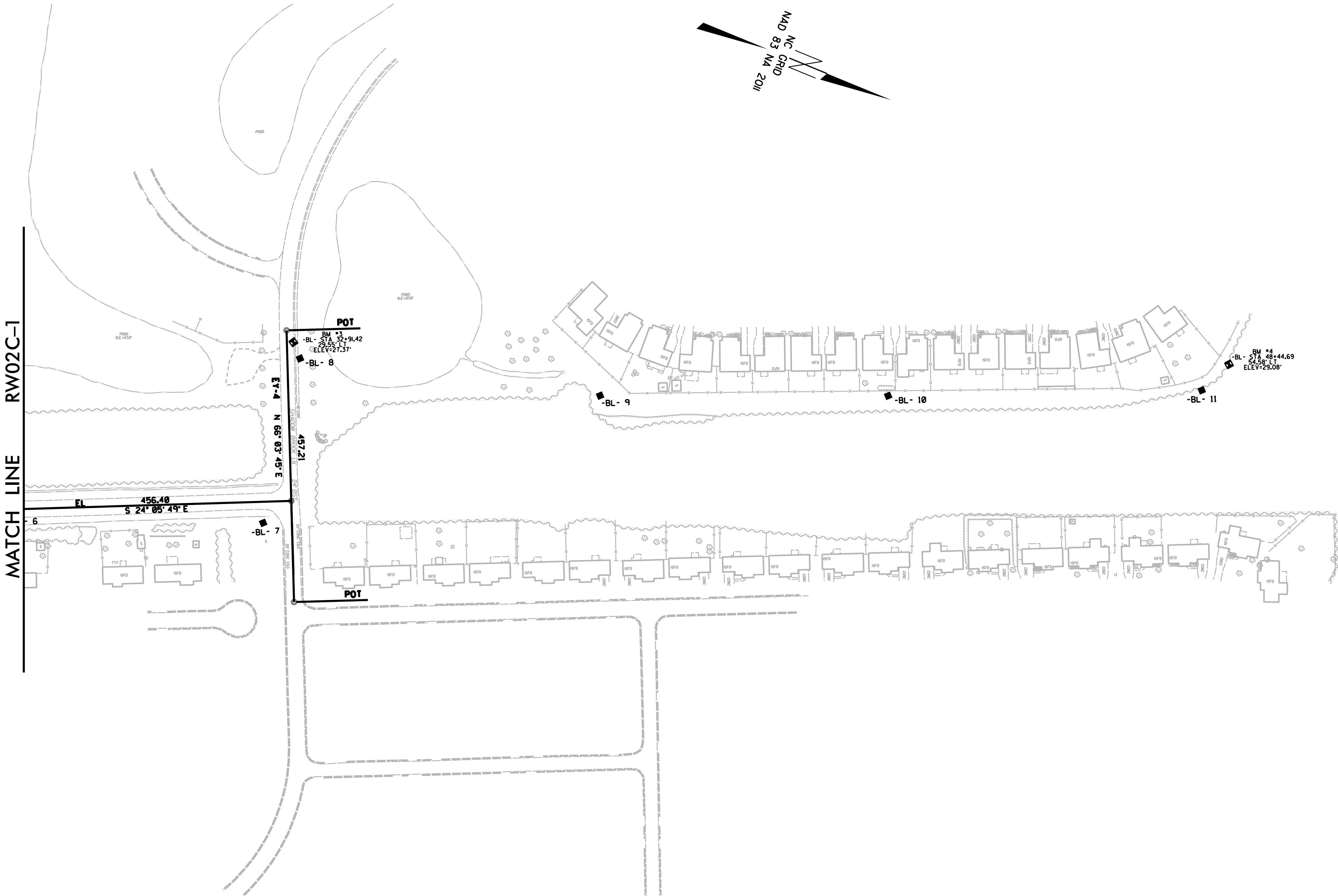
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REVISIONS

SURVEY CONTROL SHEET R-4463A
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-2
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	



- NOTES:**
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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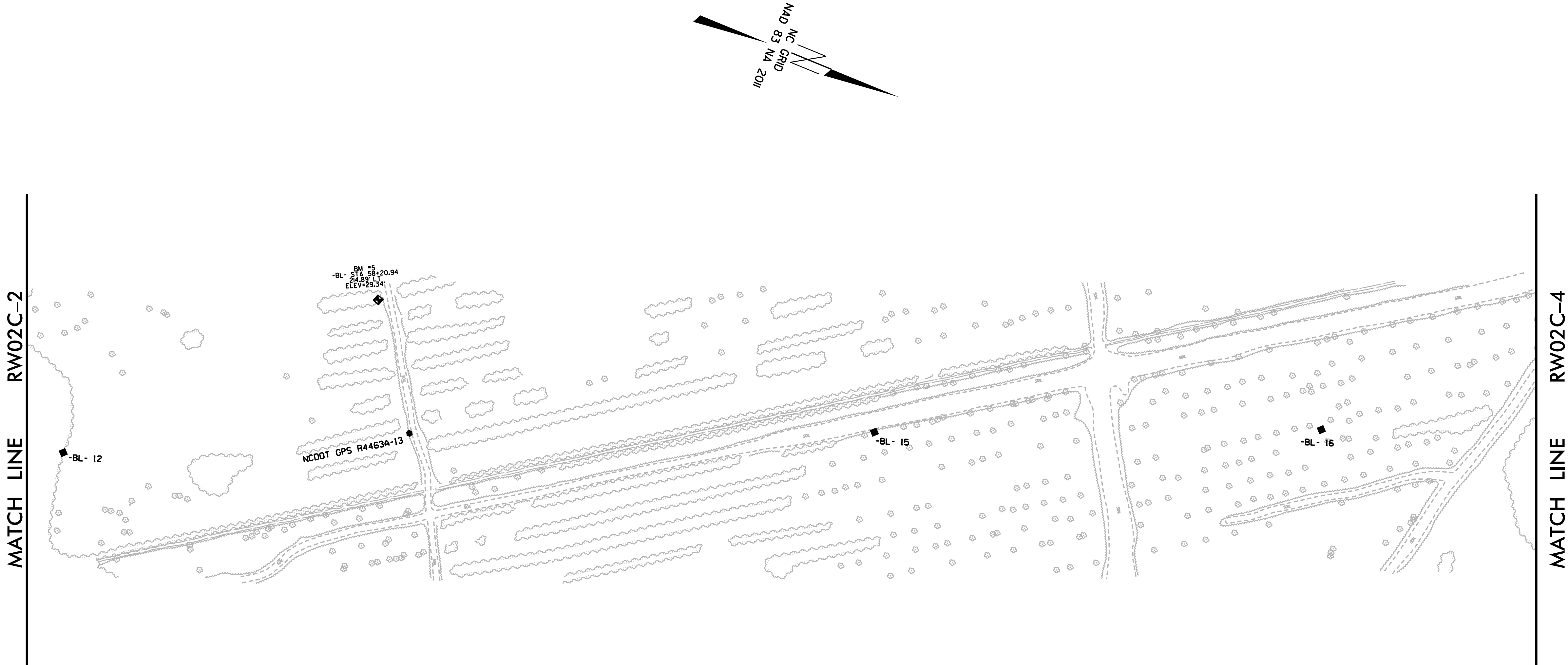
REVISIONS

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6/2/99

SURVEY CONTROL SHEET R-4463A
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-3
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	



- NOTES:**
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 - THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

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merhodes1 AT LS-299767

SURVEY CONTROL SHEET

R-4463A

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-4
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	

The figure is a survey control sheet for project R-4463A, sheet RW02C-4. It displays a plan view of a road alignment with existing centerline alignments prior to construction. The sheet is bounded by match lines on the left (RW02C-3) and right (RW02C-5). Key features include:

- Control Points:** Several benchmark (BM) and level (BL) points are marked. BM 16+50.11 is located near the left match line. BL 17, BL 18, BL 30, and BL 31 are distributed along the alignment. GPS points R4463AA GPS 1 and R4463AA GPS 2 are also indicated.
- Alignments:** The sheet shows existing centerline alignments, including a 24' FRIED ROAD and a 24' FRIED ROAD.
- Match Lines:** The left match line is labeled RW02C-3 and the right match line is labeled RW02C-5.
- North Arrow:** A north arrow is located in the upper right quadrant, pointing towards the top right, with the text "N.C. GRID" and "MAD 83 NA 2011" nearby.
- Topography:** Contour lines are shown, indicating elevations of 8000, 8005, and 8010.

NOTES:

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- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

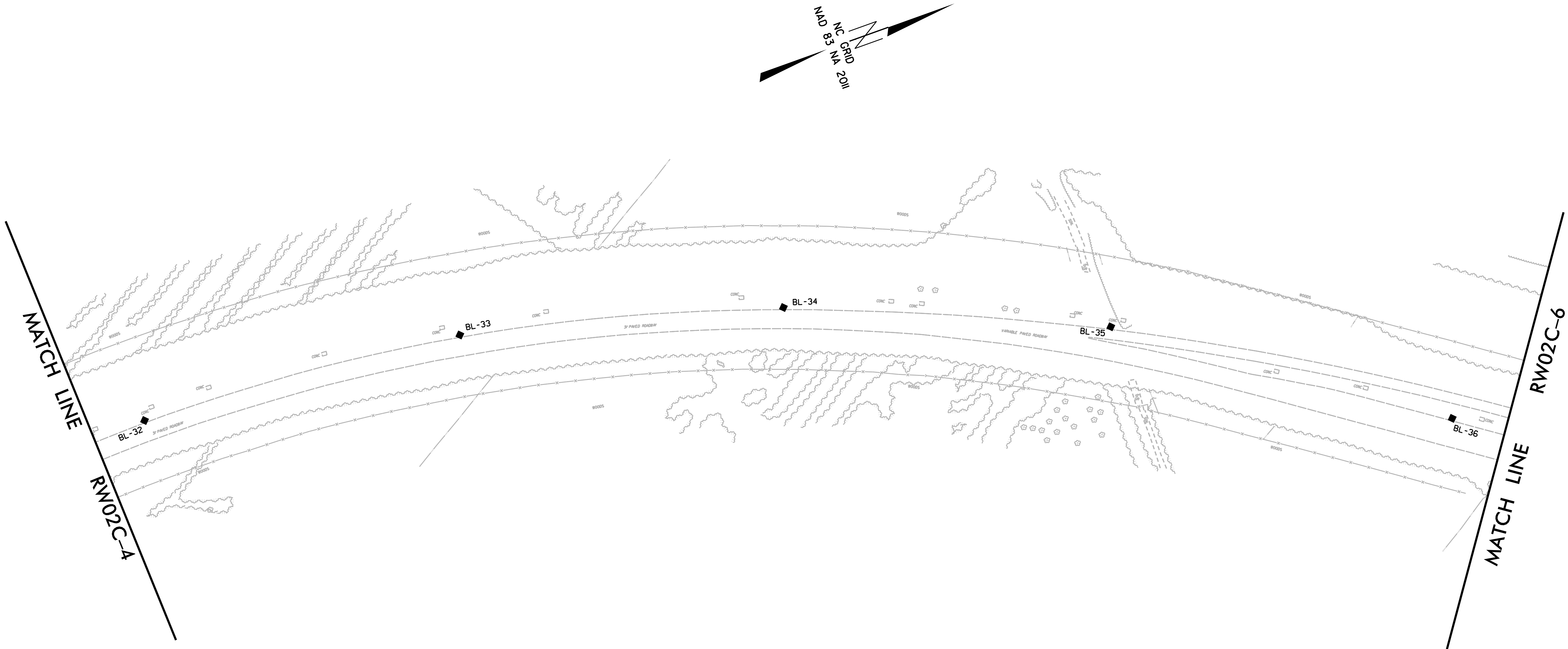
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REVISIONS

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merhodes1 AT LS-299767

SURVEY CONTROL SHEET R-4463A
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-5
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	



NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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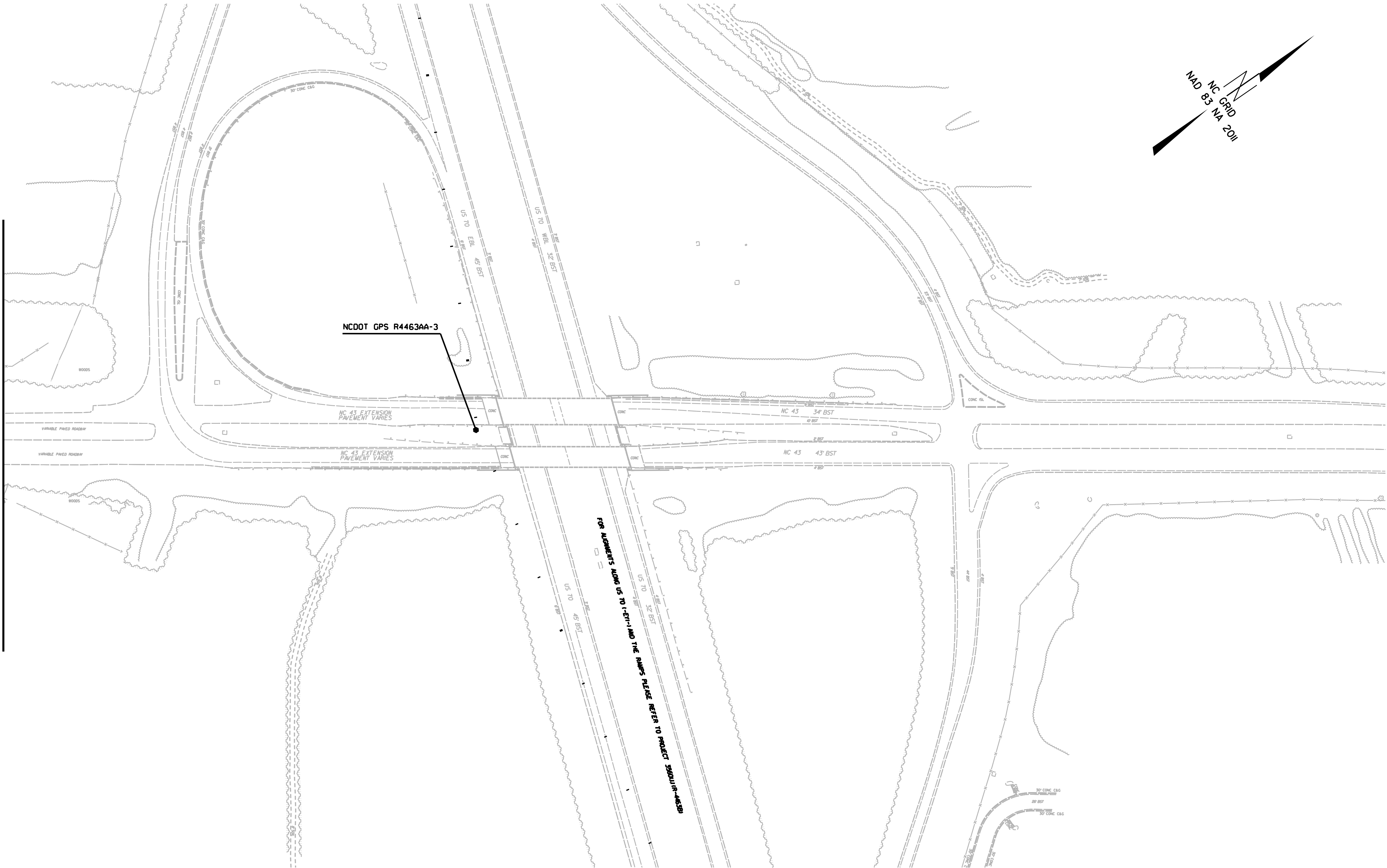
REVISIONS

SURVEY CONTROL SHEET R-4463A

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-6
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	

MATCH LINE RW02C-5



- NOTES:
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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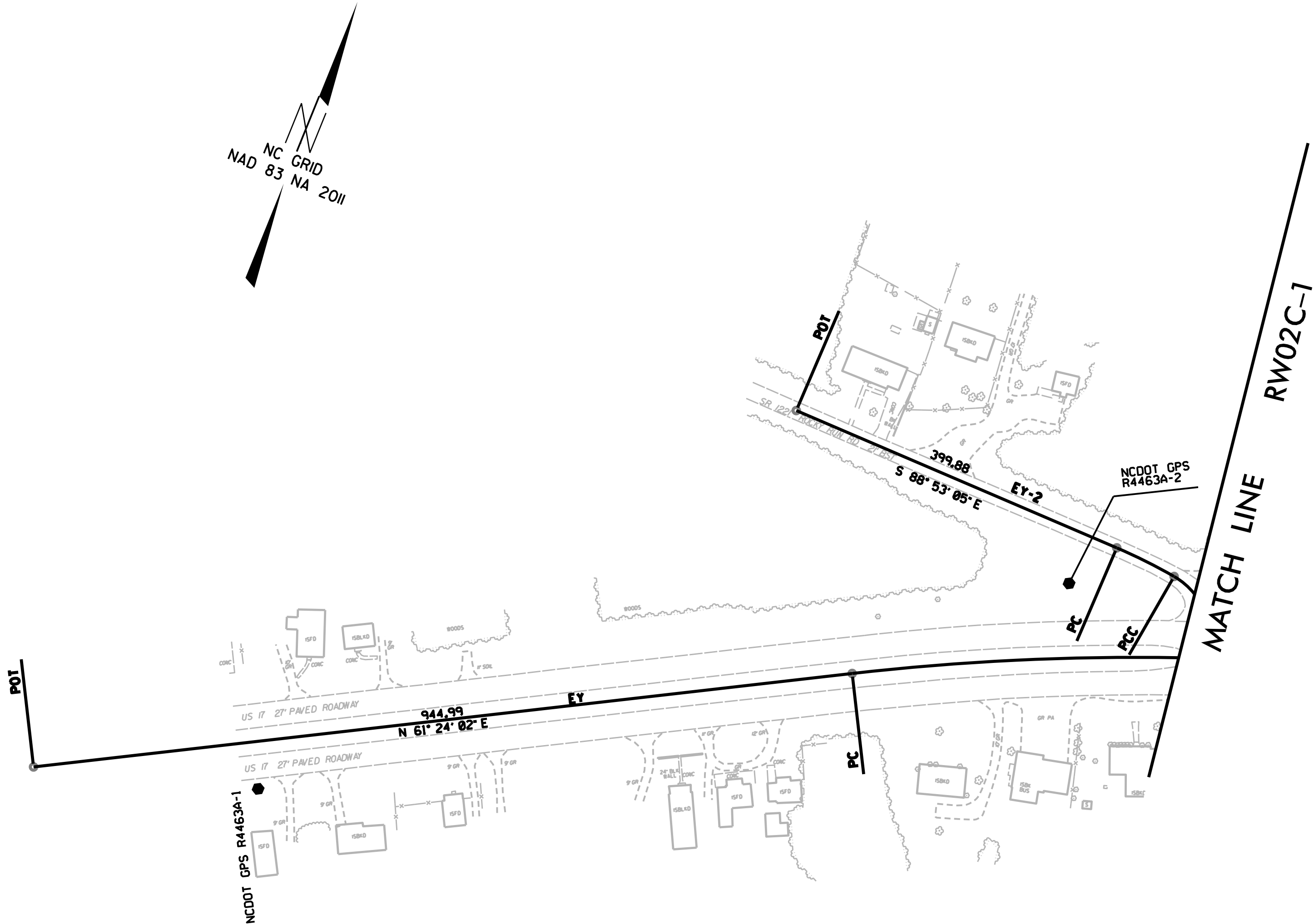
REVISIONS

6/2/99

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merhodes1 AT LS-299767

SURVEY CONTROL SHEET R-4463A
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-7
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	



NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

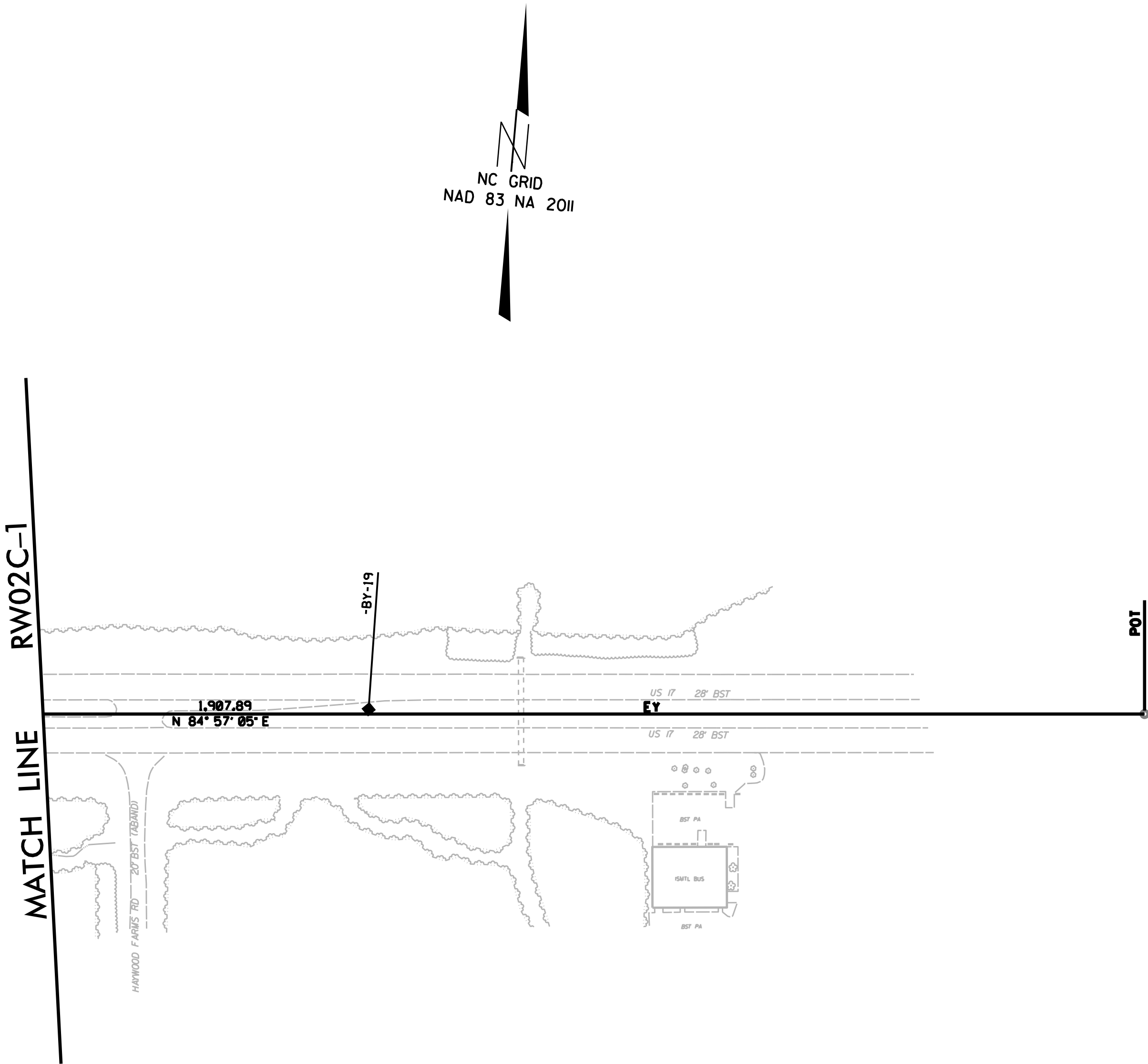
REVISIONS

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merhodes1 AT LS-299767

6/2/99

SURVEY CONTROL SHEET R-4463A
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-8
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	



NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/99

REVISIONS

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SURVEY CONTROL SHEET R-4463A
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW02C-9
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	

BASELINES

BL	POINT	DESC.	NORTH	EAST	ELEVATION
3		BL-3	494601.0090	2559645.8870	26.26
4		BL-4	495197.8630	2559578.9210	26.74
5		BL-5	495913.1780	2559518.5010	25.57
6		BL-6	496646.1770	2559360.3760	26.35
7		BL-7	497054.1300	2559196.6380	28.26
8		BL-8	497006.3130	2558917.1870	26.68
9		BL-9	497497.0050	2558782.9380	28.16
10		BL-10	497945.3990	2558598.8080	27.30
11		BL-11	498429.8950	2558389.5060	26.91
12		BL-12	498921.6960	2558334.5290	27.47
GPS13	R4463A	GPS-13	499419.1580	2558096.9310	27.53
15		BL-15	500102.1000	2557813.9340	28.02
16		BL-16	500757.8350	2557539.8370	27.89
17		BL-17	501276.5230	2557330.0810	29.64
18		BL-18	501742.3550	2557130.6430	27.99

BY	POINT	DESC.	NORTH	EAST	ELEVATION
GPS2	R4463A	GPS-2	494371.5930	2558651.7570	26.42
E01		BL-3	494601.0090	2559645.8870	26.26
BY19		BY-19	494619.1310	2560634.8390	24.43

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
AA4	R4463AA-4		506922.5860	2556454.9640	29.60
20	BY1-20		506666.2140	2557055.8930	28.47
AA3	R4463AAGPS-3		506231.4520	2557921.1660	54.17
21	BY1-21		506025.0700	2558890.2610	29.35
22	BY1-22		505698.6150	2559835.4410	29.44
23	BY1-23		505371.2000	2560780.4150	29.12

BENCHMARKS

.....
BM1 ELEVATION = 24.86
N 494416 E 2559729
RR SPIKE IN BILLBOARD
.....

.....
BM5 ELEVATION = 29.34
N 499292 E 2557919
RR SPIKE IN 14" PINE
.....

.....
BM2 ELEVATION = 26.76
N 495243 E 2559688
RR SPIKE IN 14" OAK
.....

.....
BM6 ELEVATION = 30.59
N 501097 E 2557200
RR SPIKE IN 14" PINE
.....

.....
BM3 ELEVATION = 27.37
N 496986 E 2558896
PK ON SAVOY LN
.....

.....
BM4 ELEVATION = 29.08
N 498456 E 2558332
RR SPIKE IN 18" PINE
.....

EXISTING ALIGNMENTS

EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT		497083.859	2559144.475	S 24°05'49.3" E	456.40					
LINE		496667.232	2559330.815							
PC		496667.232	2559330.815	S 21°56'24.7" E	239.17	04°18'49.2"(RT)	01°48'11.5"	239.22	119.67	3177.45
CURVE		496445.387	2559420.177	S 12°37'43.6" E	206.06	14°18'33.2"(RT)	06°55'33.7"	206.60	103.84	827.25
PCC		496244.308	2559465.230							
CURVE		496244.308	2559465.230	S 05°28'27.0" E	112.25					
PT		496132.570	2559475.938	S 05°06'49.6" E	1614.73					
LINE		496132.570	2559475.938							
POT		494524.264	2559619.865							

EY	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT		493729.905	2557630.447	N 61°24'01.6" E	944.99					
LINE		494182.258	2558460.136							
PC		494182.258	2558460.136	N 73°10'33.3" E	1169.27	23°33'03.3"(RT)	02°00'00.0"	1177.55	597.21	2864.79
CURVE		494520.686	2559579.363							
PT		494520.686	2559579.363	N 84°57'04.9" E	1907.89					
LINE		494688.583	2561479.855							
POT		494688.583	2561479.855							

EY2	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT		494437.688	2558287.328	S 88°53'05.1" E	399.88					
LINE		494429.905	2558687.134							
PC		494429.905	2558687.134	S 85°32'56.8" E	73.52	06°40'16.7"(RT)	09°04'10.1"	73.56	36.82	631.74
CURVE		494424.200	2558760.428							
PCC		494424.200	2558760.428	S 60°07'16.7" E	61.45	44°11'03.5"(RT)	70°07'53.4"	63.00	33.16	81.70
CURVE		494393.586	2558813.713							
PT		494393.586	2558813.713	S 38°01'44.9" E	47.81					
LINE		494355.928	2558843.165							
POT		494355.928	2558843.165							

EY3	POINT	N	E	BEARING	DIST
POT		495954.011	2559491.917		
LINE		495972.755	2559702.450	N 84°54'44.7" E	211.37
POT		495972.755	2559702.450		

EY4	POINT	N	E	BEARING	DIST
POT		496967.394	2558882.118		
LINE		497152.903	2559300.007	N 66°03'45.1" E	457.21
POT		497152.903	2559300.007		

NOTES:

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REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

I, RICHARD A. MITCHELL, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of April, 2025.

Signed by: Richard Mitchell 04/17/2025
Professional Land Surveyor

L-5060
PLS #

L			
TYPE	STATION	NORTH	EAST
POT	9+85.49	494520.7973	2559575.6506
TS	24+19.13	495948.8265	2559448.9351
SC	26+99.13	496226.9366	2559417.0918
CS	30+63.00	496577.5871	2559322.1477
ST	33+43.00	496833.7702	2559209.3229
PC	38+74.59	497314.6461	2558982.7316
PT	46+77.43	498047.5690	2558655.1851
PC	65+96.71	499815.1886	2557907.4189
PRC	74+18.71	500578.6077	2557602.8045
PT	80+69.32	501183.8843	2557364.2925
TS	92+01.32	502230.1752	2556932.2077
SC	94+01.32	502415.8601	2556857.9298
CS	121+96.22	505095.2208	2557147.1180
ST	123+96.22	505260.7800	2557259.3063
POT	140+00.00	506578.3671	2558173.6707

DR1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	494171.5254	2559651.0802
PC	10+50.00	494221.3330	2559646.6980
PRC	11+72.92	494341.3044	2559621.3447
PT	12+95.46	494460.8965	2559596.0248
POT	13+57.04	494522.2362	2559590.5818

DR2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	494221.3330	2559646.6980
PRC	10+88.71	494302.4085	2559613.9895
PT	12+06.85	494410.3604	2559570.3912
POT	13+16.23	494519.3175	2559560.7230

Y			
TYPE	STATION	NORTH	EAST
POT	10+00.00	493730.5842	2557630.0779
TS	18+54.04	494138.5152	2558380.3951
SC	20+54.04	494231.9783	2558557.2008
CS	30+22.80	494510.3719	2559480.2319
ST	32+22.80	494530.2543	2559679.2302
POT	50+30.37	494688.9106	2561479.8263

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	494273.3753	2558643.7698
PC	10+80.05	494346.1596	2558610.4578
PT	12+48.18	494433.7028	2558477.1682
POT	14+96.96	494438.8506	2558228.4409

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	495950.6478	2559448.7735
POT	12+00.00	495967.7920	2559648.0373

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	496973.0775	2558894.9562
POT	12+25.07	497063.7805	2559100.9408

Y4			
TYPE	STATION	NORTH	EAST
POT	10+00.00	497064.3639	2559100.6659
POT	12+25.00	497155.5586	2559306.3563

NOTES:

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- THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

PROJECT REFERENCE NO.
R-4463A

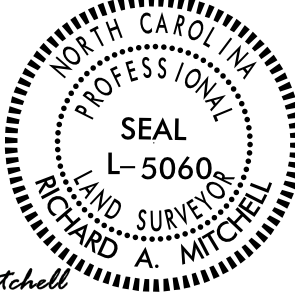
SHEET NO.
RWD2-1

Location and Surveys



4300 EDWARDS MILL RD., SUITE 200
RALEIGH, NC 27612
(P) 919-233-8091 (F) 919-233-8031
F-1222

PROJECT SURVEYOR



Signed by:
Richard Mitchell
54817000584E-60F

REVISIONS

RIGHT OF WAY CONTROL SHEET

I, RICHARD A. MITCHELL, a ProfessionalLand Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of April, 2025.

Signed by:
Richard Mitchell 04/17/2025
Professional Land Surveyor

L-5060
PLS # Seal

CONTROL ACCESS MARKER CONCRETE - E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	24+65.04	70.00	496000.8868	2559514.5588
L	26+99.13	-90.00	496212.1563	2559328.3137
L	26+99.13	70.00	496238.4346	2559486.1410
L	29+05.00	-90.00	496403.0291	2559285.3791
L	30+63.00	70.00	496602.4980	2559387.5652
L	30+63.00	-95.00	496543.7794	2559233.3669
L	33+43.00	70.00	496863.6080	2559272.6451
L	33+43.00	-95.00	496793.2733	2559123.3868
L	35+43.00	70.00	497044.5259	2559187.3956
L	35+60.09	-95.00	496989.6549	2559030.8508
L	36+40.22	-100.00	497060.0124	2558992.1707
L	36+48.23	70.00	497139.7202	2559142.5396
L	38+74.59	70.00	497344.4838	2559046.0539
L	38+74.59	-100.00	497272.0207	2558892.2713
L	41+73.08	-89.00	497548.8696	2558776.4518
L	46+77.43	70.00	498074.8416	2558719.6538
L	46+77.43	-89.00	498012.8939	2558573.2178
L	52+63.00	-89.00	498552.1939	2558345.0747
L	53+54.87	70.00	498698.7506	2558455.7180

*SITE OVERGROWN -
POINT SET BY
OTHERS,
ACCURACY
NOT VERIFIED

*SITE OVERGROWN -
POINT SET BY
OTHERS,
ACCURACY
NOT VERIFIED

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	11+01.58	-145.00	494623.6162	2559420.9573
L	11+40.00	139.00	494686.9917	2559700.4496
L	11+40.00	110.00	494684.4284	2559671.5631
L	16+33.00	130.00	495177.2667	2559647.9099
L	16+33.00	67.00	495171.6983	2559585.1564
L	16+33.00	110.00	495175.4989	2559627.9881
L	16+68.00	110.00	495210.3620	2559624.8946
L	16+68.00	67.00	495206.5613	2559582.0629
L	16+68.00	130.00	495212.1297	2559644.8163
L	22+60.03	110.00	495800.0737	2559572.5668
L	22+80.04	114.04	495820.3684	2559574.8216
L	23+53.00	-145.00	495870.1422	2559310.3474
L	23+53.00	-155.00	495869.2584	2559300.3865
L	23+90.01	114.04	495929.9003	2559565.1023
L	24+19.13	-155.00	495935.1296	2559294.5414
L	24+50.90	114.04	495990.6641	2559559.7044
L	26+32.88	117.34	496176.9902	2559543.1810
L	26+56.58	118.28	496201.8102	2559540.6825
L	26+99.13	-145.00	496203.1220	2559274.0608
L	27+32.15	-144.17	496233.2197	2559269.6071
L	27+44.19	119.35	496293.7848	2559526.3574
L	27+49.79	-135.66	496250.8097	2559274.9319
L	28+31.45	116.78	496384.0189	2559504.1614
L	28+95.00	-132.00	496382.5923	2559247.5035
L	29+15.40	110.84	496468.6529	2559475.4873
L	29+63.66	105.92	496516.0994	2559455.8489
L	31+95.00	-138.00	496643.3013	2559145.3890
L	35+60.88	-130.00	496975.4504	2558998.8530
L	36+68.00	-140.00	497068.0881	2558944.1471
L	37+00.00	-140.00	497097.0354	2558930.5070
L	37+00.00	-115.00	497107.6917	2558953.1221
L	70+85.00	-129.00	500219.8296	2557602.6869
L	70+85.00	-120.00	500223.1326	2557611.0588
L	71+95.00	-136.00	500320.3915	2557555.8134
L	72+30.00	-130.00	500355.4138	2557548.6871
L	72+90.00	-130.00	500411.7814	2557527.0158
L	72+90.00	-120.00	500415.3559	2557536.3551

*STK SET -
FALLS ON TREE
STUMP, NOT
ADJUSTABLE

*SITE OVERGROWN -
POINT SET BY
OTHERS,
ACCURACY
NOT VERIFIED

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

ROW MARKER IRON PIN AND CAP - E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	12+20.00	67.00	494760.3147	2559621.6604
L	23+50.00	67.00	495885.8921	2559521.7828
L	23+90.01	94.00	495928.1290	2559545.1410
L	24+19.13	-125.00	495937.7779	2559324.4243
L	24+50.92	94.01	495988.8934	2559539.7498
L	26+99.13	-125.00	496206.4044	2559293.7896
L	29+12.79	90.72	496460.3940	2559456.9259
L	30+09.61	101.04	496560.6018	2559435.8518
L	30+63.00	-125.00	496533.1033	2559205.3307
L	30+82.13	96.30	496630.6062	2559404.8995
L	31+19.22	-125.00	496582.1323	2559185.8494
L	31+85.55	94.07	496728.8298	2559361.3244
L	35+50.53	-118.57	496970.9602	2559013.6055
L	35+60.62	-118.34	496980.1820	2559009.5117
L	35+65.16	101.68	497078.0721	2559206.6097
L	36+35.66	101.68	497141.8493	2559176.5575
L	36+36.09	83.40	497134.4459	2559159.8433
L	36+40.60	-116.46	497053.3340	2558977.1266
L	36+50.56	-116.22	497062.4423	2558973.0914
L	52+63.00	-100.39	498547.7556	2558334.5833
L	52+63.00	-135.00	498534.2719	2558302.7096
L	53+54.87	99.88	498710.3934	2558483.2400
L	53+55.54	140.00	498726.6438	2558519.9241
L	54+96.00	120.00	498848.2104	2558446.7811
L	54+96.00	140.00	498856.0026	2558465.2007
L	56+38.00	-135.00	498879.6397	2558156.6067
L	56+38.00	-120.00	498885.4838	2558170.4214
L	65+96.71	-120.00	499768.4357	2557796.9012
L	65+96.71	120.00	499861.9416	2558017.9366
L	74+18.71	120.00	500620.7807	2557715.1497
L	74+18.71	-120.00	500536.4359	2557490.4589
L	80+69.32	-120.00	501138.0810	2557253.3779
L	80+69.32	120.00	501229.6883	2557475.2068
L	89+28.91	120.00	502024.1934	2557147.1016
L	90+04.19	-120.00	502002.1735	2556896.5352

ROW MARKER IRON PIN AND CAP - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	18+80.00	-75.27	494217.0606	2558367.2914
Y	19+45.00	95.00	494097.9793	2558505.1828
Y	19+45.00	74.44	494116.1122	2558495.4942
Y	20+54.04	95.00	494146.9746	2558599.6221
Y	21+29.09	74.40	494197.1811	2558656.2395
Y	23+49.71	95.00	494261.1194	2558861.5154
Y	23+56.02	74.73	494282.2457	2558860.1440
Y	24+00.09	-95.00	494456.8639	2558843.6358
Y	26+21.10	95.00	494341.5016	2559111.1353
Y	28+25.00	110.00	494371.4956	2559306.7134
Y	29+97.85	-95.00	494601.3804	2559443.0089
Y	30+22.80	110.00	494401.2026	2559493.7250
Y	30+45.00	110.00	494403.7471	2559514.9667
Y	32+08.00	100.00	494429.3422	2559673.2868
Y	32+22.00	100.00	494430.6403	2559688.0075
Y	32+45.00	-115.00	494646.7593	2559691.2536
Y	36+95.00	100.00	494472.0870	2560158.3880
Y	36+95.00	75.63	494496.3500	2560156.2494
Y	43+20.00	105.00	494521.9645	2560781.4147
Y	43+20.00	75.48	494551.3725	2560778.8235
Y	43+80.00	-74.52	494706.0600	2560825.4259
Y	43+80.00	-115.00	494746.3818	2560821.8730
Y	43+95.00	75.47	494557.9589	2560853.5337
Y	43+95.00	105.00	494528.5475	2560856.1252

ROW MARKER IRON PIN AND CAP - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+00.00	-65.00	494329.0480	2558545.9791
Y1	11+95.00	-53.00	494373.9868	2558509.6116
Y1	12+75.00	-29.74	494404.5207	2558449.7357

ROW MARKER IRON PIN AND CAP - E				
ALIGN	STATION	OFFSET	NORTH	EAST
DR1	10+40.00	-38.00	494208.0410	2559609.7207
DR1	10+40.00	45.00	494215.3155	2559692.4013

PROJECT REFERENCE NO.
R-4463A

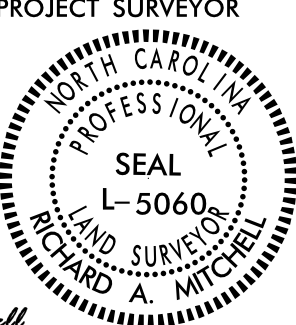
SHEET NO.
RW03E

Location and Surveys



4300 EDWARDS MILL RD., SUITE 200
RALEIGH, NC 27612
(P) 919-233-8091 (F) 919-233-8031
F-1222

PROJECT SURVEYOR



Signed by:
Richard Mitchell
0417000584E0F

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

OTTER LAND COMPANY LLC-JE
DB 3422 PG 598

I, Richard A. Mitchell, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of April, 2025.

Signed by: Richard Mitchell 04/17/2025

 54617600584E48F...

L-5060
PIS #

4
JAMES E. MCCOTTER
DB 3423 PG 433
PG 6 SLIDE 6I-H

$$\begin{array}{r} -Y- \text{ CS Sta. } 30+22.80 \\ -DR2- \text{ POT Sta. } 13+16.23 = \\ -Y- \text{ POS Sta. } 31+03.79 \\ -L- \text{ POT Sta. } 9+85.49 = \\ -Y- \text{ POS Sta. } 31+18.79 \end{array}$$

BEGIN TIP PROJECT R-4463A
-1- POT Sta. 10+25.49

$-Y-$		
$Pls\ Sta\ 19+87.38$	$Pl\ Sta\ 25+43.14$	$Pls\ Sta\ 30+89.47$
$\Theta_s = 2' 00'' 37.4''$	$\Delta = 19' 28'' 32.5'' (RT)$	$\Theta_s = 2' 00'' 37.4''$
$L_s = 200.00'$	$D = 2' 00'' 37.4''$	$L_s = 200.00'$
$LT = 133.34'$	$L = 968.76'$	$LT = 133.34'$
$ST = 66.67'$	$T = 489.10'$	$ST = 66.67'$
$DS = 55\ MPH$	$R = 2,850.00'$	$DS = 55\ MPH$
	$SE = 0.05$	
	$DS = 55\ MPH$	

<i>-DR2-</i>	
<i>PI Sta 10+45.70</i>	<i>PI Sta 11+49.56</i>
$\Delta = 33^{\circ} 53' 07.7''$ (LT)	$\Delta = 33^{\circ} 50' 33.7''$ (RT)
$D = 38^{\circ} 11' 49.9''$	$D = 28^{\circ} 38' 52.4''$
$L = 88.71'$	$L = 118.13'$
$T = 45.70'$	$T = 60.85'$
$R = 150.00'$	$R = 200.00'$

<i>-DR1-</i>	
<i>PI Sta 11+17.6</i>	<i>PI Sta 12+34.48</i>
$\Delta = 13^{\circ} 48' 33.2''$ (LT)	$\Delta = 13^{\circ} 45' 59.2''$ (RT)
<i>D = 11' 14" 04.1"</i>	<i>D = 11' 14" 04.1"</i>
<i>L = 122.92'</i>	<i>L = 122.54'</i>
<i>T = 61.76'</i>	<i>T = 61.57'</i>
<i>R = 510.00'</i>	<i>R = 510.00'</i>

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

MATCHLINE -L- STA. 19+00, SEE SHEET 5

I, Richard A. Mitchell, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of April, 2025.

PROJECT REFERENCE NO.
R-4463A

SHEET NO.
RW05

Location and Surveys



4300 EDWARDS MILL RD., SUITE 200
RALEIGH, NC 27612
(P) 919-233-8091 (F) 919-233-8031
F-1222

PROJECT SURVEYOR

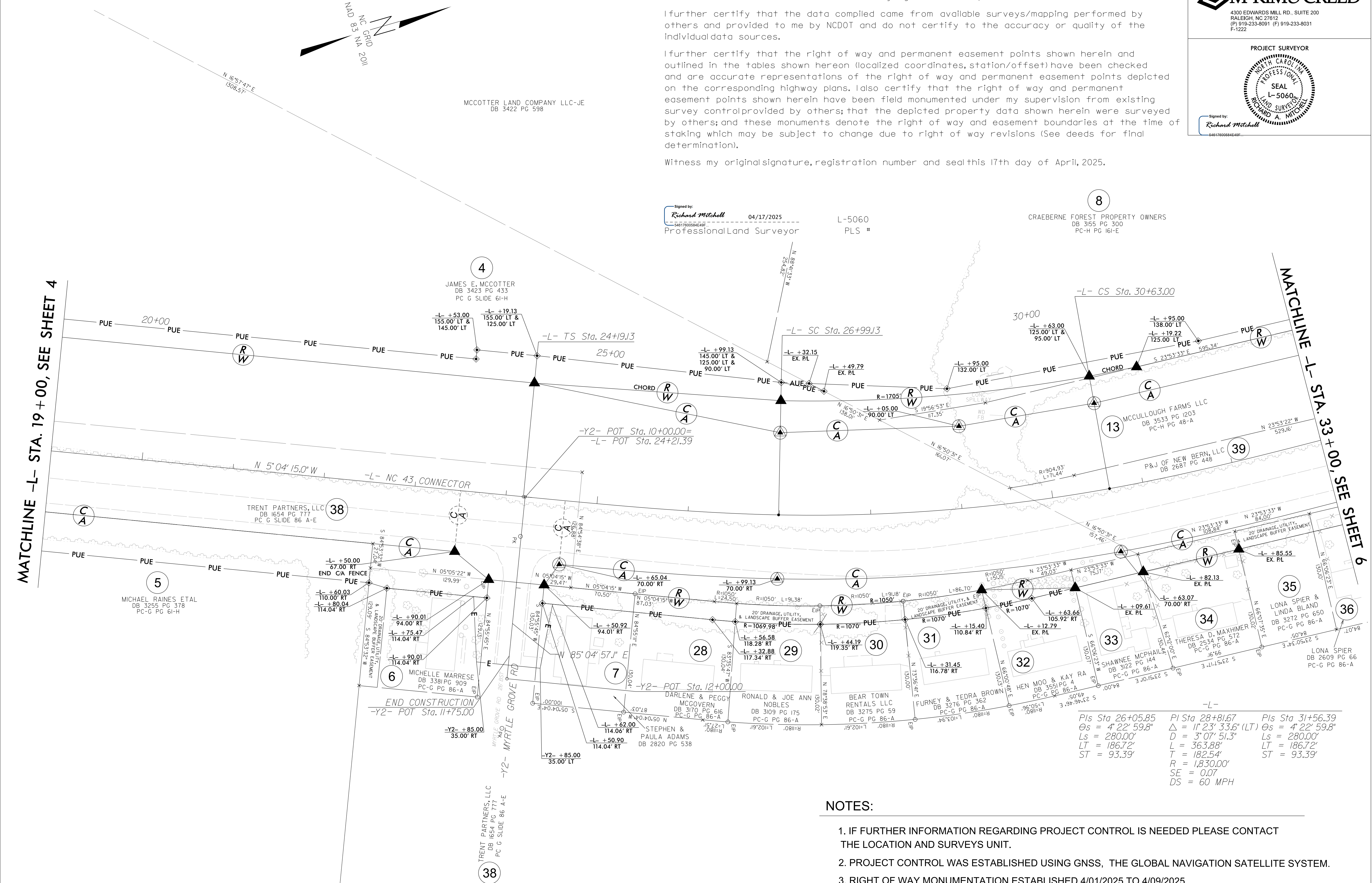


Signed by:
Richard Mitchell
64617600884E46F

Signed by:
Richard Mitchell
64617600884E46F
Professional Land Surveyor

L-5060
PLS #

CRAEBERNE FOREST PROPERTY OWNERS
DB 3155 PG 300
PC-H PG 161-E



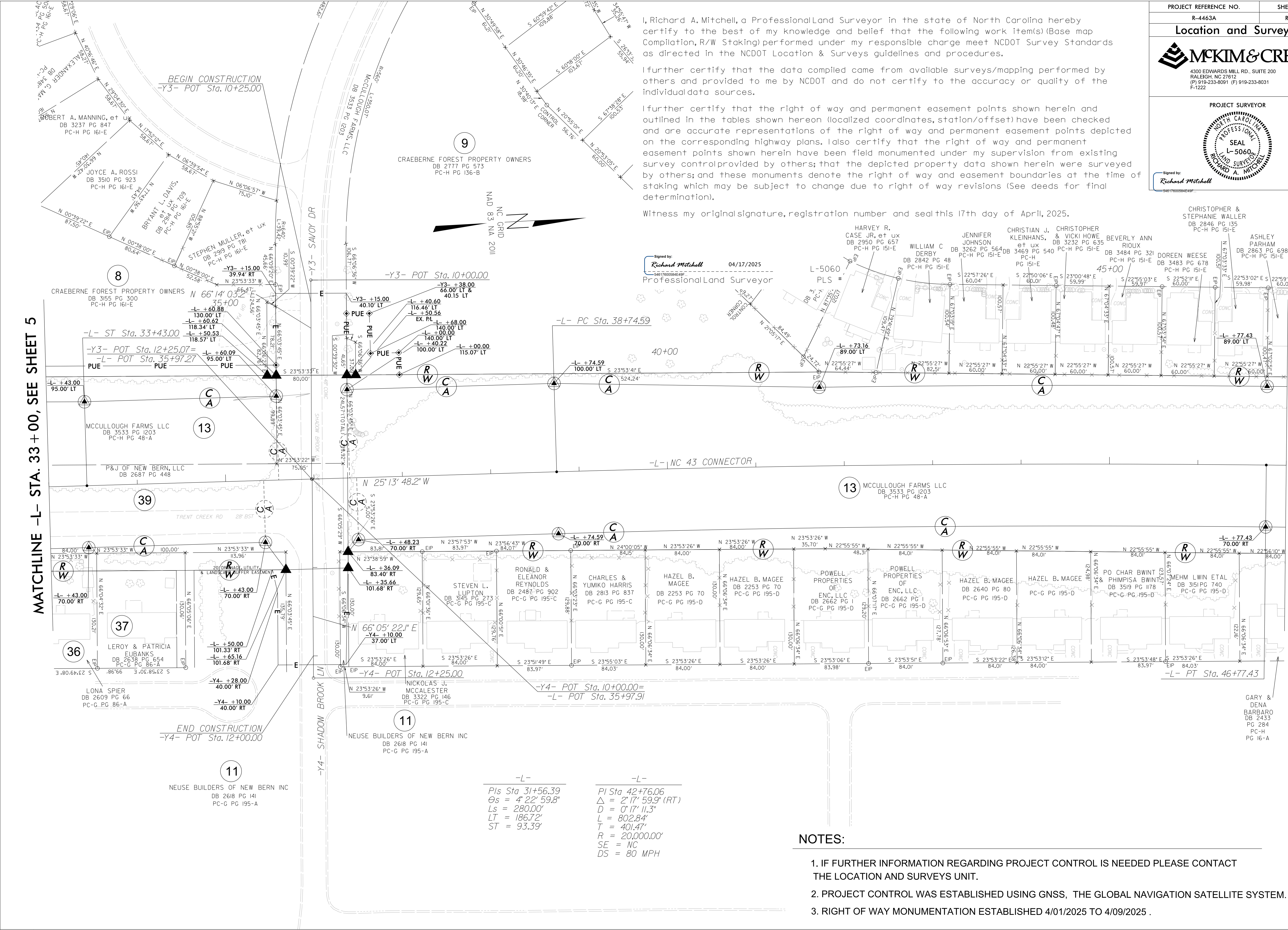
Pls Sta 26+05.85 Δs = 4' 22' 59.8" Ls = 280.00' LT = 186.72' ST = 93.39'	Pl Sta 28+81.67 Δ = 11' 23' 33.6" (LT) D = 3' 07' 51.3" L = 363.88' T = 182.54' R = 1,830.00' SE = 0.07 DS = 60 MPH	Pls Sta 31+56.39 Δs = 4' 22' 59.8" Ls = 280.00' LT = 186.72' ST = 93.39'
--	--	--

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

REVISIONS

MATCHLINE -L- STA. 33+00, SEE SHEET 5



I, Richard A. Mitchell, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of April, 2025.

Signed by:
Richard Mitchell
Professional Land Surveyor
04/17/2025

-L-
Pls Sta 31+56.39
Os = 4' 22" 59.8"
Ls = 280.00'
LT = 186.72'
ST = 93.39'

-L-
Pl Sta 42+76.06
Δ = 2' 17" 59.9" (RT)
D = 0' 17" 11.3"
L = 802.84'
T = 401.47'
R = 20,000.00'
SE = NC
DS = 80 MPH

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW06
Location and Surveys	
 4300 EDWARDS MILL RD., SUITE 200 RALEIGH, NC 27612 (P) 919-233-8091 (F) 919-233-8031 F-1222	
PROJECT SURVEYOR	
 Signed by: Richard Mitchell 54617600584E49F	
CHRISTOPHER & STEPHANIE WALLER DB 2846 PG 135 PC-H PG 151-E ASHLEY PARHAM DB 2863 PG 698 PC-H PG 151-E	

MATCHLINE -L- STA. 47+00, SEE SHEET 7



Witness my original signature, registration number and seal this 17th day of April, 2025.

L-5060
PIS #

PLS # BRDL CRAEBERNE FOREST, LLC
DB 3786 PG 1316

$$\frac{-L- + 38.00}{135.00' \text{ LT \& } 120.00' \text{ LT}}$$

 S

/

$$\frac{217.33}{217.33}$$

COMPANY, LLC

NOTES

3. RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

Witness my original signature, registration number and seal this 17th day of April, 2025.

PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW08
Location and Surveys	



MCKIM & CREED

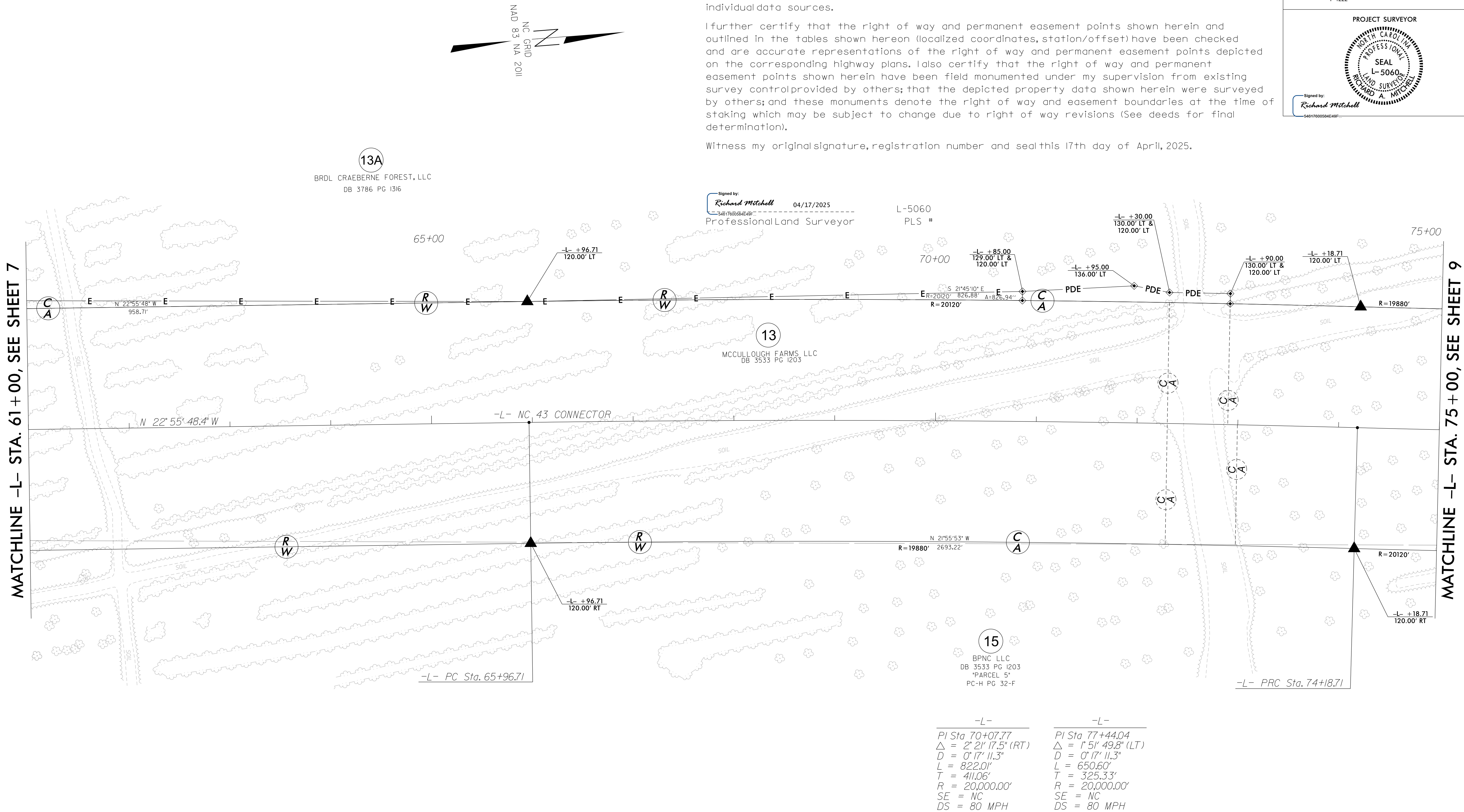
4300 EDWARDS MILL RD., SUITE 200
 RALEIGH, NC 27612
 (P) 919-233-8091 (F) 919-233-8031
 F-1222

PROJECT SURVEYOR



Signed by: 

C:\ENR\PROJECTS\4463A\

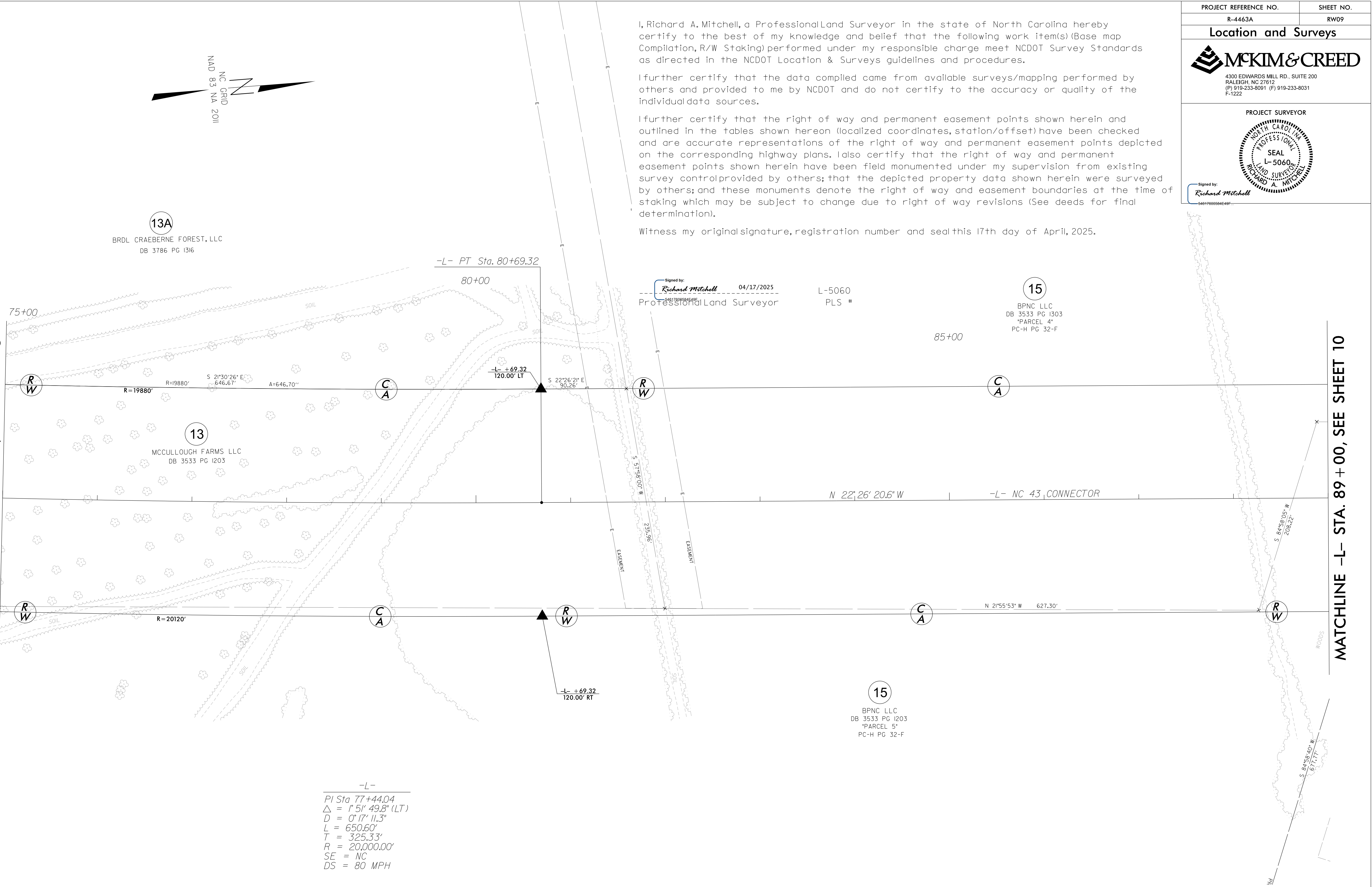


1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

REVISIONS

MATCHLINE -L- STA. 75 + 00, SEE SHEET 8

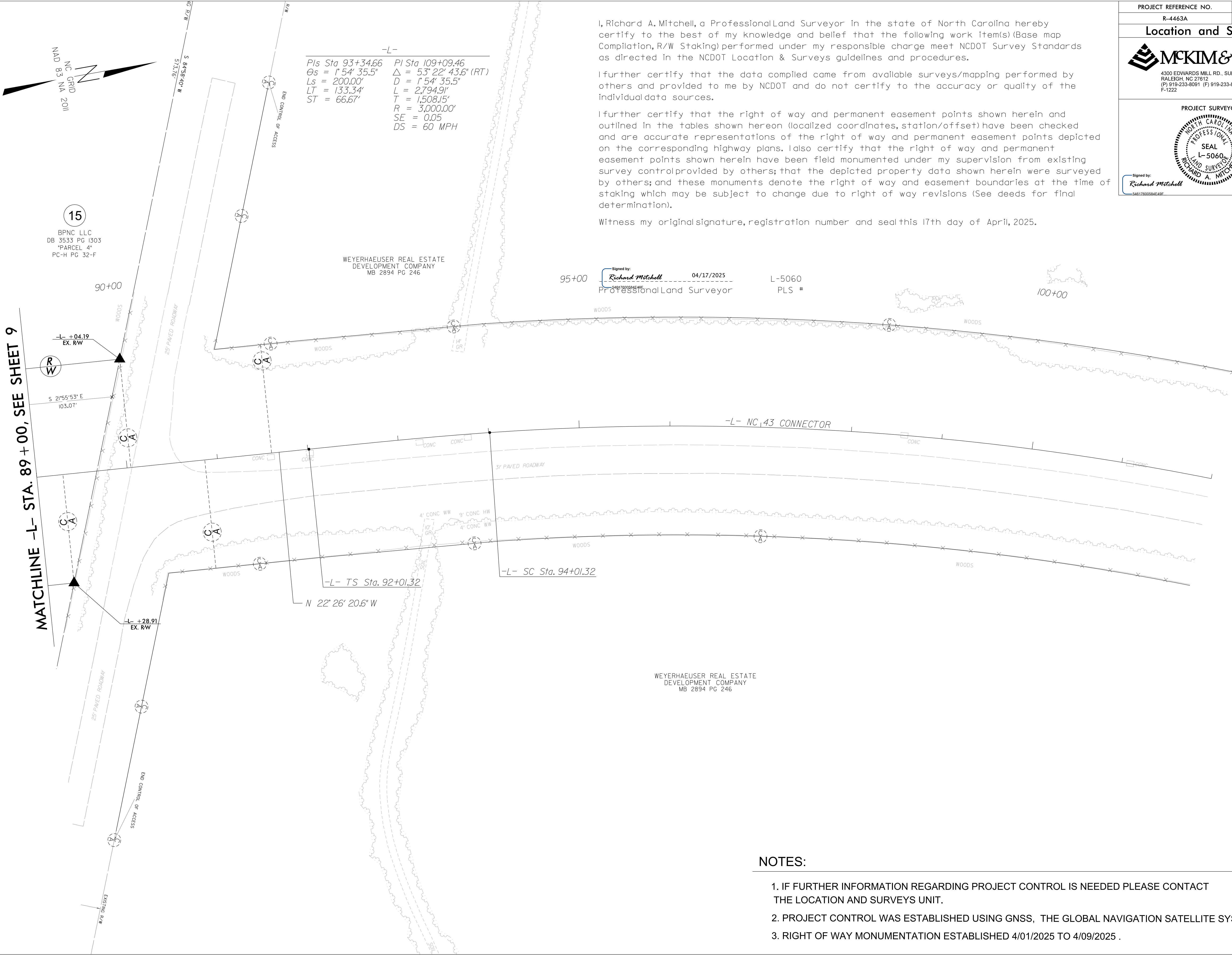
MATCHLINE -L- STA. 89 + 00, SEE SHEET 10



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
R-4463A	RW10
Location and Surveys	
4300 EDWARDS MILL RD., SUITE 200 RALEIGH, NC 27612 (P) 919-233-8091 (F) 919-233-8031 F-1222	
PROJECT SURVEYOR	
Signed by: <u>Richard Mitchell</u> 54517800584E46F	

I, Richard A. Mitchell, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of April, 2025.

Signed by:
Richard Mitchell
54817000584E49F
04/17/2025
Professional Land Surveyor

PROJECT REFERENCE NO.
R-4463A

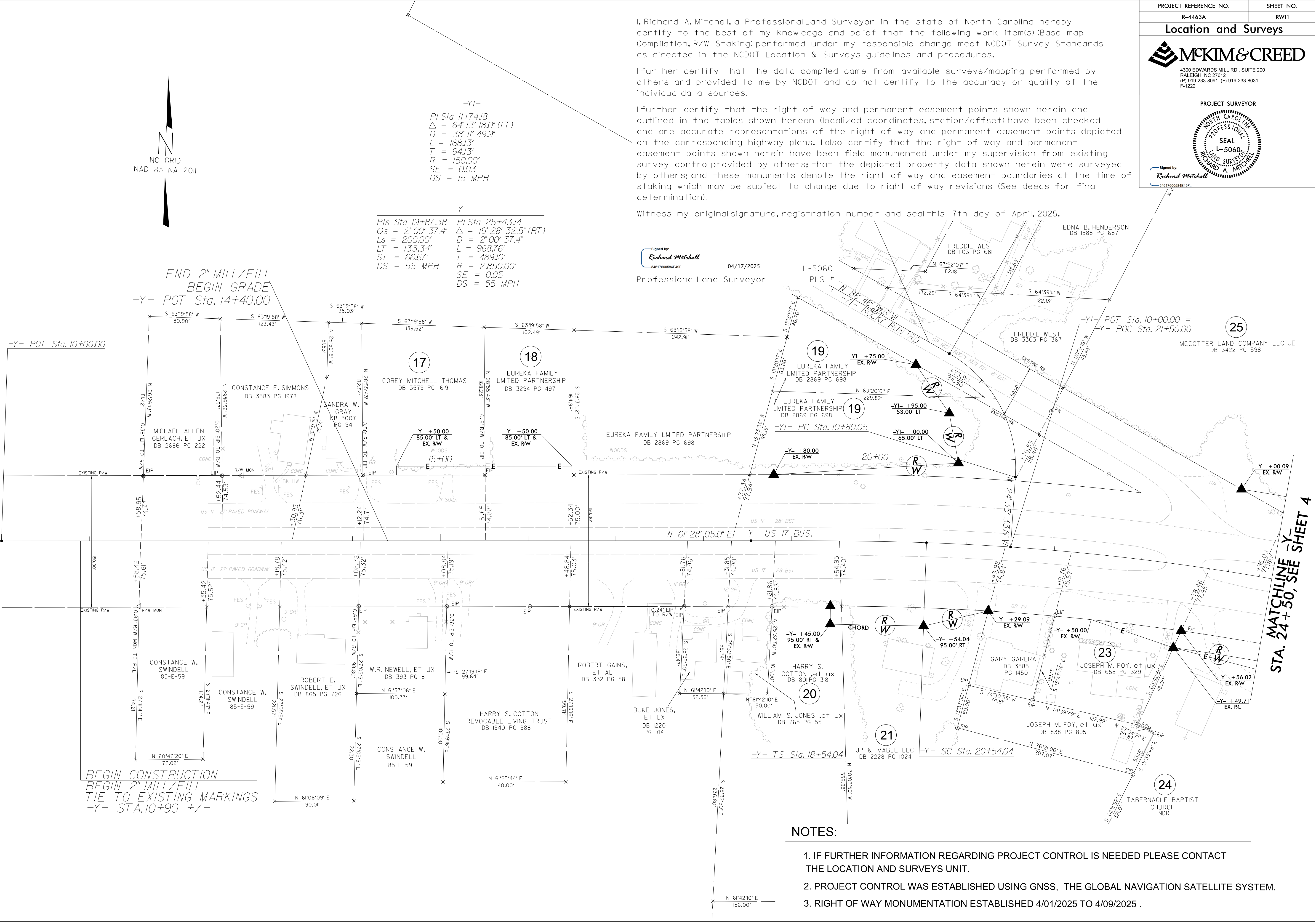
SHEET NO.
RW11

Location and Surveys

4300 EDWARDS MILL RD., SUITE 200
RALEIGH, NC 27612
(P) 919-233-8091 (F) 919-233-8031
F-1222

PROJECT SURVEYOR

Signed by:
Richard Mitchell
54817000584E49F



NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 4/01/2025 TO 4/09/2025 .

